

The twinned pillars (4) for their part are welded to the floor frame (1) and the ceiling frame (6) with the help of junction gussets absorbing and transmitting the shearing force of the building. The number of twinned pillars required is determined by the statics.

On page 5, lines 25-28, please replace the paragraph to read as follows:

Perpendicular to the longitudinal direction of the ceiling frame, several C 60 or C 80 transverse bearer (7) are welded inside the frame, the distance between them depending upon static requirements; they support the substructure of the suspended ceiling or the roof.

IN THE CLAIMS

Please cancel Claim 17 and replace Claims 2-14 and 16-20 to read as follows:

2. Prefabricated buildings or houses according to claim 20, wherein the floor frame comprises a standardized steel section C 160, St 37 or St 52 and at least one other possible section, wherein the section is beveled and welded.

3. Prefabricated buildings or houses according to claim 20, wherein the flanges are welded on the inside of the floor frame in a well-defined axial distance in order to fill an incurved part of the flange with concrete without reinforcing the latter.

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4. Prefabricated buildings or houses made by a modular steel frame construction method, the prefabricated buildings or houses comprising:

- a) a ceiling frame;
- b) a floor frame;
- c) Z-shaped sections welded inside the floor frame; wherein the Z-shaped sections form flanges; and
- d) at least one pair pillar, wherein the pillar comprises a first section and a second section, wherein the first section is connected to the floor frame and the second section is connected to the ceiling frame; wherein the sections are interconnected by the use of a transverse bearer and pins

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wherein the floor layer consists of concrete having a "d" of at least 100 mm, and undermost of an insulating layer of pressed rockwool or a similar insulation material having a "d" of at least 60 mm, wherein the floor layer is mounted between the flanges and the floor layer is covered, without being reinforced, with B 25 or a concrete of superior proficiency grade.

5. Prefabricated buildings or houses according to claim 20, wherein the sections of the pillar consists of MSH sections 60/60/5, St 37 or St 52 and at least one other conceivable sections and that they are interconnected by welded steel bridges 80/80/10 or other variants in dependence of the chosen section, and in an axial distance from each other conforming to the statics specifications.

6. Prefabricated buildings or houses according to claim 20, wherein the sections are connected to the floor frame and the ceiling frame through junction gussets in conformity with statics specifications.

7. Prefabricated buildings or houses according to claim 20, wherein the number of the pair of pillars is determined by statics requirements.

8. Prefabricated buildings or houses according to claim 20, wherein the pins consist of solid turned bars of St 37 or other conceivable materials, and that they are used for connecting vertically the sections of the pillars and to connect a first module and a second module placed one on top of another.

9. Prefabricated buildings or houses according to claim 20, wherein the combination of the sections of the pillars with the pins provides accurate vertical and horizontal structure of the building by means of a simple plug-in connection.

10. Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claim 20, wherein the ceiling frame comprises an L-shaped sheet-steel section, St 37 or 52 or of other conceivable materials or sections.

11. Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claim 20, wherein the ceiling frame consists of an edged or rolled L-section 250/75/5 or other conceivable sections.

12. Prefabricated buildings or houses according to claim 20, wherein the frames are beveled and welded at their angles or corners.

C3 Work
13. Prefabricated buildings or houses according to claim 20, further including C 60, C 80 or other sections welded into the ceiling frame perpendicular to a longitudinal direction of the ceiling frame and in an axial distance depending upon statics specifications.

C4 Work
14. Prefabricated buildings or houses according to claim 20, wherein the combination of the ceiling frame with the floor frame generates a beam allowing a cantilever span of up to 14 m.

C3 Work
16. Prefabricated buildings or houses according to claim 20, further including at least a pair of beams interconnected either by screw-bolts or through welding, the method of interconnection depending upon a cantilever span.

C5 Work
18. Prefabricated buildings or houses made by a modular steel frame construction method, the prefabricated buildings or houses comprising:

- a) a ceiling frame;
- b) a floor frame ;
- c) Z-shaped sections welded inside the floor frame; wherein the Z-shaped sections form flanges; and

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d) at least one pair pillar, wherein the pillar comprises a first section and a second section, wherein the first section is connected to the floor frame and the second section is connected to the ceiling frame; wherein the sections are interconnected by the use of a transverse bearer and pins wherein the modules are connected, mounted and welded at the building site.

19. Prefabricated buildings or houses according to claim 20, wherein the buildings or houses include several stories.

20. Prefabricated buildings or houses made by a modular steel frame construction method, the prefabricated buildings or houses comprising:

a) a ceiling frame,

b) a floor frame ;

c) Z-shaped sections welded inside the floor frame; wherein the Z-shaped sections form flanges; and

d) at least one pair pillar, wherein the pillar comprises a first section and a second section, wherein the first section is connected to the floor frame and the second section is connected to the ceiling frame; wherein the sections are interconnected by the use of a transverse bearer and pins; wherein the ceiling frame, the floor frame, and the at least one pair of pillar form a module; and

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